

Air Program Acronyms

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Government agencies seem to get buried in the acronyms they create to shorten many long phrases that are frequently used. Using acronyms can make it seem like the Wisconsin Department of Natural Resources' (DNR's) staff are speaking another language. This is a short translation guide to frequently used DNR Air Program acronyms.

Acronym	Full Phrase	Brief Description
AAC	Acceptable Ambient Concentration	Used in ch. NR 445 compliance demonstration
ACFM	Actual Cubic Feet per Minute	Measure of air/exhaust flow
ACM	Asbestos Containing Material	Material with more than 1% asbestos
AEI	Air Emissions Inventory	See EI. Also, AEMS and CRS.
AEMS	Air Emissions Management System	First electronic system created to collect reporting of annual air emissions and charge fees.
AIRS	Aerometric Information & Retrieval System	System used by EPA for national emission inventories
ALAPCO	Association of Local Air Pollution Control Officials	Association for exchange of information among air pollution control officials of state and local regulatory agencies
AM/7	Air Management Program - DNR	Air Program's internal mailing code
AQCR	Air Quality Control Region	Area designated for ambient air quality standards demonstrations
AQMD	Air Quality Management District	Area designated for ambient air quality standards demonstrations
AWMA	Air & Waste Management Association	Non-profit, non-partisan professional organization for those working with Air and Waste regulations
BACT	Best Available Control Technology	For new source review under PSD or for NR 445 compliance
BART	Best Available Retrofit Technology	Level of control required under EPA's visibility regulations
BTU	British Thermal Unit	Measure of heating capacity for boilers and other heating units
CAA	Clean Air Act	Federal rule that gives states authority for many of the air pollution control rules
CAAA	Clean Air Act Amendments of 1990	Amendments designed to curb major threats to environment and human health: acid rain, urban air pollution, and toxic air emissions
CAL-RAMS	Chicago and Lake Michigan - Regional Atmospheric Modeling System	Complex model to estimate ozone impact on whole Lake Michigan area with input from those states
CAS	Chemical Abstract Service number	System classifying chemical compounds, unique for each one

Acronym	Full Phrase	Brief Description
CAATF	Clean Air Act Task Force	Group of stakeholders meet with DNR's Air Program to provide industry input on Program activities
CEA	Bureau of Cooperative Environmental Assistance	DNR program coordinating performance-based innovative compliance programs
CEM	Continuous Emission Monitoring	Equipment that can monitor an emissions point continuously
CEMS	Continuous Emissions Monitoring System	
CFCs	Chlorofluorocarbons	Ozone depleting substance
CFM	Cubic Feet/Minute	Measure of air/exhaust flow
CMAQ	Congestion Mitigation Air Quality	Federal grant funds to improve traffic flow and reduce motor vehicle emissions in O ₃ and CO nonattainment areas
CO	Carbon Monoxide	A criteria pollutant
(OR)	Central Office	DNR abbreviation for downtown Madison office
CO ₂	Carbon Dioxide	Green house gas, not regulated yet
CRS	Consolidated Reporting System	Electronic reporting done annually of air emissions (aka AEI, EI and AEMS) and hazardous waste.
CTC	Control Technology Center	EPA program, develops guidance on control technologies
CTG	Control Techniques Guidance	EPA guidance document
DOA	Department of Administration	State agency
DSCF	Dry Standard Cubic Foot	Unit of measure for air/exhaust flow
EA	Environmental Analysis or Environmental Assessment	Review of endangered species and other environmental affects caused by new construction, required prior to beginning construction of new industrial business
ECO	Employee Commute Options (same as ETR)	Program developed to reduce vehicle miles traveled by individuals in areas of ozone nonattainment by providing them with incentives to use mass transit or alternatives
EF	Emission Factor	Unit used to help calculate emissions from a specific process or emissions unit
EI	Emission Inventory	System to record annual emissions and charge fees from each industrial facility that has air emissions
EIS	Environmental Impact Statement	Analysis done for a new project to determine the level of environmental impact it will have on issues like endangered species of plants or animals
EMS	Emissions Modeling System	--
(OR)	Environmental Management System	System developed by a business to assess and monitor their environmental aspects and impacts, with a goal to reducing the impacts under plan, do, check, act process
EPA	Environmental Protection Agency	Federal bureau that regulates pollution
ERC	Emission Reduction Credit	Credits for voluntary emissions reductions, must be permanent and enforceable (written in permit)
ETR	Employer Trip Reduction	Same as ECO
FESOP	Federally Enforceable State Operation Permit	Permit for sources that have potential to emit greater than major source levels, but actual emissions below and are willing to take permit limits to avoid major source status
FGD	Flue Gas Desulfurization	Control system to reduce SO ₂ from coal combustion
FID	Facility Identification Number	Nine-digit number used by WDNR to identify each facility
FIP	Federal Implementation Plan	EPA can issue if WDNR does not create programs that adequately meet the Clean Air Act
FOP	Federal Operations Permit	Permit issued to major sources under Title V of CAA
GACT	Generally Available Control Technology	National emissions standard for ...
GEP	Good Engineering Practice (i.e. stack height)	In reference to a key stack height for modeling a facility
GOP	General Operation Permit	Permit issued to a whole source category (i.e. rock crushers or dry cleaners) that are very similar
Gr	Grain	Measure equal to 1/7000 pound
HAP	Hazardous Air Pollutants	Pollutants defined by EPA or WDNR to have chronic or acute toxic or carcinogenic affects on humans

Acronym	Full Phrase	Brief Description
HC	Hydrocarbons	Any compounds with hydrogen and carbon components
HCFC	Hydrochlorofluorocarbons	Ozone depleting substance
HON	Hazardous Organic NESHAPS	Specific federal rule to cover emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI)
I/M	Inspection/Maintenance (program for vehicles)	Program in ozone nonattainment areas to ensure efficient vehicle operations
ISCST	Industrial Source Complex Short Term	Model used to determine emissions impact from individual sources.
LACT	Latest Available Control Techniques (and operating practices)	Regulation in ch. NR 424, Wis. Adm. Code, to reduce organic compound emissions from process lines
LADCO	Lake Michigan Air Directors Consortium	Name under which the Lake Michigan states cooperate to find solution to ozone issues in the area
LAER	Lowest Achievable Emission Rate	Highest control level for carcinogens in state HAP rules or in nonattainment area new source review permitting
LEPC	Local Emergency Planning Committee	RMP are sent to this group for overall planning
LON	Letter of Noncompliance	A letter that may be sent prior to NOV, as initial contact to determine if violation occurred
MACT	Maximum Achievable Control Technology	Federal standard for reducing HAP emissions
MOA	Memorandum of Agreement	Used to create written plans of action between two agencies (ie, federal and state or two state)
MOP	Mandatory Operation Permit	Operation permit program in WI prior to CAAA of 1990 creation of Title V program
MOU	Memorandum of Understanding	Similar to MOA
MSDS	Material Safety Data Sheet	Technical documentation on make up and safety precautions for materials, provided by manufacturers
MTBE	Methyl tertiary butyl ether	RfG found to cause water pollution and removed from requirements to be used for air emissions reductions
MTE	Maximum Theoretical Emissions	Emission rate from facility when operated at full design capacity for 24 hr/day, 365 day/yr and without control device operation taken into account
NAAQS	National Ambient Air Quality Standards	Standards established by EPA for criteria pollutants at levels determined to be of human health concern
NESHAPS	National Emission Standards for Hazardous Air Pollutant Sources	Standards were established for specific HAPs to reduce emissions (vinyl chloride, beryllium, asbestos, etc.) - now MACT are NESHAPS
NER	DNR's Northeast Region	DNR Service Area includes counties: Brown, Calumet, Door, Fond du Lac, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Winnebago, Waushara
NMHC	Non-methane Hydrocarbons	Methane is not regulated, so a definition of HC was needed to exclude methane emissions
NO ₂	Nitrogen Dioxide	Component of NOx emissions
NOV	Notice of Violation	Document issued by WDNR or EPA when determine a facility appears to be out of compliance with air regulations and sent to source to indicate what actions the agency expects from the facility
NO _x	Nitrogen Oxides	Criteria pollutant
NR	DNR's Northern Region	DNR Service Area includes counties: Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn
NR 400 Series	Chapters NR 400-499, Wis. Adm. Code	Code series that contains air pollution rules for WI
NRB	Natural Resources Board	Board appointed by WI Governor and provides direction to and approves all regulations established by WDNR
NSPS	New Source Performance Standards	Standards established by EPA to require emissions reductions from specific processes when installed new
NSR (or)	New Source Review Nonattainment area Source Review	Review for issuance of permits to construction or modification of a source with air pollution, the nonattainment area sources have more stringent requirements

Acronym	Full Phrase	Brief Description
O ₃	Ozone	Criteria pollutant, not regulated as itself but through one of its precursors, VOCs (NO _x is another, regulated); only ground-level ozone (a.k.a. smog) is regulated
OAQPS	Office of Air Quality Planning and Standards	Office in EPA that handles all the air pollution issues
P2	Pollution Prevention	Principle of emissions reductions by changing process (via raw materials, etc.) instead of via end of pipe controls
PCBs	Polychlorinated biphenyls	Very hazardous substance banned from any new uses but still around in old equipment
PD	Preliminary Determination	Section of permit documentation WDNR writes to support decisions made in review of application
PM ₁₀	Particulate Matter < 10 microns	Criteria pollutant
PM _{2.5}	Fine Particulate Matter (<2.5 microns)	Particulate matter size newly regulated by EPA
PN	Public Notice	Document sent to newspaper closest to proposed permit action, whether new or existing facility, to notify those nearby of their opportunity to comment on the action
PSD	Prevention of Significant Deterioration	Permit program established by EPA to ensure areas in attainment of NAAQS stay that way by requiring controls on large sources
PTE	Potential to Emit	Emission rate from facility where reductions from MTE that are enforceable (through a permit) can be taken into account (i.e., limits on hours of operations, raw material used, or straight cap on emissions)
RACT	Reasonably Available Control Technology	Industry specific technology based regulations established by WI to reduce emissions from those industries
RfC	Reference Concentration	Levels established by EPA and used by WDNR to include specific HAPs in state HAP rule
RfG	Reformulated Gas	Requirement for areas nonattainment for ozone to reduce emissions from vehicles, MTBE and ethanol mixes
RMP	Risk Management Plan	Required under s. 112(r) of CAA, to notify public (via LEPC) of potential risks in their area
ROG	Reactive Organic Gas(es)	Term used to define organic compounds considered sufficiently reactive to form ozone in atmosphere
RPO	Regional Planning Organizations	EPA created five regional planning org to assist states in planning for haze and fine particulate matter. The Midwest RPO includes: IL, IN, MI, OH, and WI.
RVP	Reid Vapor Pressure	Measure of organic compounds to indicate volatility
SCC	Source Category Code	Code used to define specific processes at emissions source and to track emissions factors assigned to that process, and even specific materials used at the process
SCFM	Standard Cubic Feet per Minute	Airflow at "standard" temperature and pressure, usually set at 70°F and 1 atm
SCR OR	Selective Catalytic Reduction DNR's South Central Region	Control option for NO _x reduction DNR Service Area includes counties: Columbia, Crawford, Dane, Dodge, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk
SER	DNR's Southeast Region	DNR Service Area includes counties: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha
SIC	Standard Industrial Classification	A nationally recognized set of 4 and 8 digit codes used to define types of business activities
SIP	State Implementation Plan	Plan developed by states and approved by EPA to spell out how state will implement authority given by EPA
SNCR	Selective Non-Catalytic Reduction	Control option for NO _x reduction
SO ₂	Sulfur Dioxide	Criteria pollutant
SOCMI	Synthetic Organic Chemical Manufacturing Industry	Producers of benzene, toluene or any other chemical listed in Table 1 of 40 CFR 63 subpart F

Acronym	Full Phrase	Brief Description
SOP	State-only Operation Permit	Permit issued to those considered minor sources
STAPPA	State and Territorial Air Pollution Program Administrators	Association for exchange of information among air pollution control officials of state and local regulatory agencies
TLV	Threshold Limit Values	Rates established by ACGIH and used in state HAP rule
TOC	Total Organic Carbon	Measure of organic compounds that includes methane and other compounds not included in VOC definition
TPD	Tons per Day	Units for emission rates
TPY	Tons per Year	Units for emission rates
TSP	Total Suspended Particulates	Particulate matter of all sizes that can be suspended in an airstream (approx. <100µm size)
VMT	Vehicle Miles Traveled	Unit of measure used for rules related to vehicular emissions
VOC	Volatile Organic Compounds	Regulated as precursor to ozone, a criteria pollutant; list of compounds in NR 400 defined as non-VOCs based on reactivity to form ozone
WCR	DNR's West Central Region	DNR Service Area includes counties: Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, La Crosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Tremelleau, Vernon.



Contacts for More Information or Assistance.

The Small Business Clean Air Assistance Program helps smaller businesses understand and comply with the Clean Air Act regulations. Contact one of the program's Clean Air Specialists for more assistance: Renée Lesjak Bashel at 608/264-6153 or Tom Coogan at 608/267-9214.

For further information on any acronyms that aren't included here you can contact your DNR Regional or Service Center office shown on the **DNR Contact Fact Sheet**.